

Title (en)

Method and apparatus for inert gas blanketing of an open top-vessel

Title (de)

Verfahren und Vorrichtung zur Inertgasabschirmung einer oben offenen heissgehenden Gefässen

Title (fr)

Procédé et appareillage pour protéger un récipient ouvert à l'extrémité supérieure par une couche protectrice d'un gaz inerte

Publication

EP 0715142 A1 19960605 (EN)

Application

EP 95308478 A 19951127

Priority

US 34664794 A 19941130

Abstract (en)

The surface of material, e.g. molten metal, contained in an open top vessel (14), e.g. induction furnace, is blanketed by establishing a swirling flow of an inert gas having a density greater than air in a cylindrical passage (36) extending from the top of the vessel. Inert gas exits the swirl flow passage (36) through an opening (40) having diameter (Dex) that is smaller than the base diameter (Db) of the passage (36) adjacent the open top vessel.
<IMAGE>

IPC 1-7

F27D 23/00; **F27B 14/12**; **C22B 9/00**; **C22B 21/06**

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

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